

The Weekly Rigor

No. 300

“A mathematician is a machine for turning coffee into theorems.”

March 21, 2020

10 Problems in Subtracting Polynomials

PROBLEMS

Subtract the given polynomials.

1. From $7a$ take $4a$.

2. From $4a$ take $7a$.

3. From a take $b + c$.

4. From $3x^2 + 2y^2$ take $4x^2 + y^2$.

5. From $7a^2b + 3ac$ take $5ac + 4a^2b$.

6. From $4a^m - 3b^n$ take $2a^m - 5b^n$.

7. From $7am - 3bc - c^2$ take $5am - 2c^2 - 3bc - 5x^3$.

8. From $a^2 - 3ab - b^2 + bc - 2c^2$ take $a^2 - 5ab + 5bc - 3b^2 - 2c^2$.

9. From $3x^2 + 2x - 9$ take $5x^2 + 4x - 7$.

10. from $3a^2 + 6a - 11$ take $-3a^2 - 6a + 3$.

ANSWERS

1. $3a$	2. $-3a$
3. $a - b - c$	4. $-x^2 + y^2$
5. $3a^2b - 2ac$	6. $2a^m + 2b^n$
7. $2am + c^2 + 5x^3$	8. $2ab + 2b^2 - 4bc$
9. $-2x^2 - 2x - 2$	10. $6a^2 + 12a - 14$

“Only he who never plays, never loses.”